

DECOFIN EPOXY SF



**Two-component epoxy varnish with gloss finish
for microcement & natural stones**



■ PROPERTIES

High strength, two-component gloss epoxy varnish, without solvents. It is highly resistant to abrasion, contact with acids and alkalis as well as salt and chlorinated water. It creates a hard, non absorbent and completely impenetrable surface. It is resistant to temperatures from -30°C to +100°C in dry conditions and up to +60°C in wet conditions.

It does not favour bacterial growth making it suitable for areas with strict hygiene requirements.

Classified as SR-B2,0-AR0,5-IR4 per EN 13813.

■ APPLICATIONS

DECOFIN EPOXY SF is suitable, as a brushable coating, for floors with demand for high mechanical and/or even chemical resistances. Ideal for colored decorative microcement, for applications in

swimming pools, fountains, for kitchen countertops, professional kitchens, catering halls, restaurants, hotels, and entertainment venues etc.

DECOFIN EPOXY SF highlights the natural beauty of stones, accentuating their textures and veins, thus giving them the look of 'permanently wet'.

Suitable for **interior floor** applications.

■ USE

1. Surface preparation

The application surface must be free from loose sections, fats, dust, salts and has to be **completely dry**. The moisture content of the substrate should not exceed 4%. The microcements must have dried for at least 4-8 days (depending on the environmental conditions) before the application of the varnish).

QUARTZ DECO: After completing the application of the resin and quartz aggregates mixture (QUARTZ DECO+QUARTZ DECO EPOXY) and once the surface is

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walkable (approximately 48 hours later), apply DECOFIN EPOXY SF undiluted, in one to two coats.

2. Application

Empty the contents of container B into container A and mix using a low-rpm electric mixer for at least 2 minutes, until to the complete homogenization of the mixture occurs. Mixing should also be done on the walls as well as at the bottom of the container, in order for the hardener (B) to be distributed evenly. Apply one coat of DECOFIN EPOXY SF with a short nap roller.

■ NOTES

- Epoxy systems are sensitive to ambient temperatures and humidity until their full cure. Increased temperatures will result in shortening of the working time of the mixture. High humidity may result in dull or discolored surface spots and prolonged final cure times.
- After mixing both components together, the temperature of the mixture will increase.

■ USEFUL TIPS

- When applying over microcement, make sure that there are no areas where the varnish pools. Otherwise, the aesthetic result of the application may not meet your requirements and once dry, the surface may present uneven shine. In case you are not satisfied with the aesthetic result of the application, sand the surface using No240 dry sandpaper, with an electric sander, thus creating matte surface.
- If the surface to be coated was lined with a darker color microcement or if its color is light and the aesthetic requirement calls for an unaffected color scheme (so it does not get darker or even change during cure), then before the varnish application proceed with the application of the micromolar stabilizer (primer) AQUAFIX of DUROSTICK at a dilution rate of 30% by weight with clean water. The next day, apply a coat of the epoxy-based varnish.
- The addition of ANTISLIP ADDITIVE POWDER, at a rate of 2% to 4% by weight of liquid varnish, provides a non-slip surface to floors.

- Swimming pools and fountains should be filled with water, at least 7 days after the products' application.

■ CLEANING

Clean all tools with THINNER 201 of DUROSTICK, immediately after use

■ CONSUMPTION

200-300gr/m² per coat, depending on the absorbency of the surface.

■ STORAGE

Store in the factory sealed containers, in dry and shaded places, for 12 months from production date.

■ SAFETY DIRECTIONS

The product is classified as irritant. It is recommended to keep away from the reach of children. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

■ PACKAGING

Carton box with 6 pcs of 750gr each one
(A: 480gr, B: 270gr)
5kg container (A: 3.2kg, B: 1.8kg)

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TECHNICAL SPECIFICATIONS	
■ Chemical base	Two-component solvent-free, epoxy resin
■ Color	Transparent
■ Gloss	Gloss
■ Bulk density $\mu\epsilon\iota\gamma\text{Matteos}$	1.05±0.04kg/lt
■ Mixing ratio A:B	100:55 by weight
■ Pot life	Approximately 40-50 minutes at 20°C
■ Application temperature	From +10°C to +35°C
■ Temperature resistance	From -30°C to +100°C
■ Drying time	Approximately 24 hours, depending on the temperature and humidity of the environment
■ Foot traffic	Approximately 24 hours, depending on the temperature and humidity of the environment

MECHANICAL STRENGTHS	
■ Strength, per DIN (EN 196-1) after 7 days at 23°C to:	
• flexion	31.50 N/mm ²
• compression	51.50 N/mm ²

V.O.C. (Volatile Organic Compounds):

Limit value of maximum content of V.O.C.

per EU (Directive 2004/42/CE) for this product (category A/j:

'Two-pack performance coatings', type SB): 500gr/lt (2010).

The ready to use product contains maximum 0gr/lt V.O.C.

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The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.